

PINK BOLLWORM PROGRAM – WEEKLY REPORT

40 YEARS OF SERVICE TO COTTON GROWERS



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Week Ending August 4, 2007

Palo Verde and Imperial Valleys

There were 3,647 native pink bollworm (PBW) moths captured during the week. This represents a 63% decline from the same period last year. Along with the natives, 6,459 sterile PBW moths were captured. There are 369 traps currently in place and 170,713 native moths have been captured year to date.

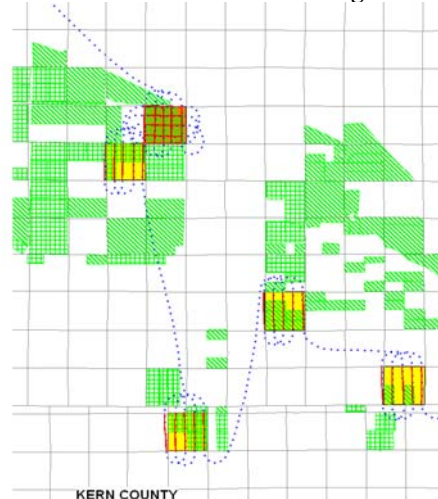
Brawley has accumulated 3,3070 heat units, which is roughly the same as last year. The peak of the third in-field generation is expected 8/ 9/07. Palo Verde third field generation is anticipated to be 8/13/07.

San Joaquin Valley

Temperatures remain high and heat unit accumulations are now 4-6 days ahead of last year. The second generation is expected to peak in Shafter on 8/20. The Arvin area has accumulated 2,492 heat units and the second generation there is anticipated to arrive on 8/14/07.

New Native PBW Moth Find

**Actual Flight Recording of
Checkerboard & Standard Flight Patterns**



KERN COUNTY
2007 NATIVE FIND #1
31-25-25, 545 AC.
2x (BLITZ) TREATMENT
INITIAL RESPONSE TO NATIVE FIND

The second native PBW Moth of the season was trapped in Kern County this week. There were 22 sterile PBW moths also in the trap. The find section was already under sterile release because of native find in 2006. Therefore, no change or additional sections will be added to the aerial release schedule at this time.

Natives trapped in a section not under sterile receive an initial (one time) release two times (2X) more than normal. This can be accomplished by flying a “checkerboard” pattern or by simply adjusting the speed of the sterile release machine.

No change is usually required for sections already under sterile release. After the initial 2X, the standard release pattern is used.

Sterile Insect Releases Continue Throughout All Areas

Sterile moth releases continue at the rate of roughly 12 million per week in the San Joaquin Valley (SJV). The SJV season total released is now 160,428,012 million sterile moths. Sterile moths released during the week in Southern California totaled 1.97 million for a season total of 16.2 million.

The Pink Bollworm Identification (ID) Lab was extra busy inspecting an additional 262 traps from Southern California. These traps contained 6,459 sterile PBW Moths and 3,647 native PBW moths. The ID Lab also looked at 763 traps from the San Joaquin containing 29,437 steriles and the lone native moth. The ID Lab is also performing Silverleaf Whitefly examinations on a weekly basis.



**Senior Economic Entomologist Dan Keaveny
Directs the ID Lab**

Sacramento Valley

Mapping and trapping in the Sacramento Valley will begin next week August 13, 2007. The County Agricultural Commissioners have reported the following acreages:

- Colusa = 935 acres
- Glenn = 2,615 acres
- Sutter = 790 acres
- Tehama = 100 acres

Butte and Yolo Counties have reported no cotton planted this year.